

Title (en)

RAPID OPENING PRESSURE REGULATING VALVE, FIRE EXTINGUISHING DEVICE USING THE PRESSURE REGULATING VALVE, HIGH-PRESSURE GAS CYLINDER DEVICE, AND RAPID FLUID FEEDING DEVICE

Title (de)

DRUCKREGELVENTIL MIT SCHNELLÖFFNUNGSMECHANISMUS, FEUERLÖSCHVORRICHTUNG MIT DEM DRUCKREGELVENTIL, HOCHDRUCK-GASFLASCHENVORRICHTUNG UND VORRICHTUNG ZUR SCHNELLEN FLÜSSIGKEITZUFUHR

Title (fr)

VANNE DE REGULATION DE PRESSION A OUVERTURE RAPIDE, DISPOSITIF D'EXTINCTION DE FEU UTILISANT LADITE VANNE, DISPOSITIF DE CYLINDRE DE GAZ HAUTE PRESSION ET DISPOSITIF D'ALIMENTATION RAPIDE D'UN FLUIDE

Publication

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Application

**EP 04701108 A 20040109**

Priority

- JP 2004000114 W 20040109
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Abstract (en)

[origin: WO2004062733A1] A rapid opening pressure regulating valve reduced in size and having improved flow rate characteristics, a fire extinguishing device using the pressure regulating valve, a high-pressure gas cylinder device, and a rapid fluid feeding device. When the rapid opening pressure regulating valve is assembled, a valve element member body (22) is inserted into a body (1), and a valve element (21) is inserted into an inlet nozzle part (11) from the inlet (11a) thereof and fixed to the lower end of the valve element member body (22). The valve element (21) is fixed to the valve element member body (22) by, for example, cutting threads in the inner peripheral surface of the valve element (21) and the corresponding lower end outer peripheral surface of the valve element member body (22) and screwing the lower end of the valve element body (22) into the valve element (21). Since a valve seat (13) can be provided on the valve element (1), the valve element member body (22) can be inserted from the upper end of the body (1) and the valve element (21) can be inserted from the inlet (11a) of the body (1), and the valve element member body (22) and the valve element (21) can be installed so as to hold the valve seat (13), a conventional barrel part can be eliminated and the number of members can be reduced to reduce the size of the rapid opening pressure regulating valve.

IPC 1-7

**A62C 35/68**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2004062733A1

Cited by

WO2011141356A1; CN102230548A; CN102883782A; EP2602523A4; US9072925B2

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